

06 - 28 - 01

A

06/27/01  
JCE08 U.S. PTOPlease type a plus sign (+) inside this box ☐

PTO/SB/05 (03-01)

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	F0654
First Inventor	Bhanwar SINGH
Title	DUAL LAYER PATTERNING...
Express Mail Label No.	EL798608698US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 20]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. Oath or Declaration [Total Pages 3]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Certificate of Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_

Prior application information. Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label  or ☐ Correspondence address below

Name

PATENT TRADEMARK OFFICE

Address

City

State

Zip Code

Country

Telephone

Fax

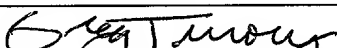
Name (Print/Type)

Gregory Turocy

Registration No. (Attorney/Agent)

36,952

Signature



Date

June 27 2001

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision on October 1. These are the fees effective November 10, 1998. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12 See 37 C.F.R. §§ 1.27 and 1.28.</p>		<b>Complete if Known</b>	
		Application Number	
		Filing Date	HEREWITH
		First Named Inventor	Bhanwar SINGH
		Examiner Name	
		Group / Art Unit	
TOTAL AMOUNT OF PAYMENT (\$)		750.00	Attorney Docket No. F0654

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																																												
<p><b>1.</b> <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <u>50-1063</u></p> <p>Deposit Account Name: <u>Amin &amp; Turocy</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17    <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance</p> <p><b>2.</b> <input checked="" type="checkbox"/> <b>Payment Enclosed:</b></p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other</p>	<p><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Large Entity</th> <th colspan="4">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>760</td><td>246</td><td>380</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>760</td><td>249</td><td>380</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="5">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="5">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (3) (\$)</b></td> <td><b>40.00</b></td> </tr> </tbody> </table> <p>* Reduced by Basic Filing Fee Paid</p>	Large Entity				Small Entity				Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	380	216	190	Extension for reply within second month		117	870	217	435	Extension for reply within third month		118	1,360	218	680	Extension for reply within fourth month		128	1,850	228	925	Extension for reply within fifth month		119	300	219	150	Notice of Appeal		120	300	220	150	Filing a brief in support of an appeal		121	260	221	130	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,210	241	605	Petition to revive - unintentional		142	1,210	242	605	Utility issue fee (or reissue)		143	430	243	215	Design issue fee		144	580	244	290	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00	146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))		149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____						Other fee (specify) _____						<b>SUBTOTAL (3) (\$)</b>					<b>40.00</b>
Large Entity				Small Entity				Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																									
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																									
139	130	139	130	Non-English specification																																																																																																																																																																																									
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																									
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																									
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																									
115	110	215	55	Extension for reply within first month																																																																																																																																																																																									
116	380	216	190	Extension for reply within second month																																																																																																																																																																																									
117	870	217	435	Extension for reply within third month																																																																																																																																																																																									
118	1,360	218	680	Extension for reply within fourth month																																																																																																																																																																																									
128	1,850	228	925	Extension for reply within fifth month																																																																																																																																																																																									
119	300	219	150	Notice of Appeal																																																																																																																																																																																									
120	300	220	150	Filing a brief in support of an appeal																																																																																																																																																																																									
121	260	221	130	Request for oral hearing																																																																																																																																																																																									
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																									
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																									
141	1,210	241	605	Petition to revive - unintentional																																																																																																																																																																																									
142	1,210	242	605	Utility issue fee (or reissue)																																																																																																																																																																																									
143	430	243	215	Design issue fee																																																																																																																																																																																									
144	580	244	290	Plant issue fee																																																																																																																																																																																									
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																									
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																									
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																									
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																								
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																									
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																									
Other fee (specify) _____																																																																																																																																																																																													
Other fee (specify) _____																																																																																																																																																																																													
<b>SUBTOTAL (3) (\$)</b>					<b>40.00</b>																																																																																																																																																																																								
<p><b>FEE CALCULATION</b></p> <p><b>1. BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Large Entity</th> <th colspan="4">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>101</td><td>760</td><td>201</td><td>380</td><td>Utility filing fee</td><td>710</td></tr> <tr><td>106</td><td>310</td><td>206</td><td>155</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>480</td><td>207</td><td>240</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>760</td><td>208</td><td>380</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1) (\$)</b></td> <td><b>710.00</b></td> </tr> </tbody> </table> <p><b>2. EXTRA CLAIM FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Total Claims</th> <th colspan="2">Extra Claims</th> <th colspan="2">Fee from below</th> <th colspan="2">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>-20** =</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>-3** =</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">Independent Claims</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Multiple Dependent</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </tbody> </table> <p>**or number previously paid, if greater; For Reissues, see below</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Large Entity</th> <th colspan="4">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>78</td><td>209</td><td>39</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2) (\$)</b></td> <td></td> </tr> </tbody> </table>	Large Entity				Small Entity				Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	760	201	380	Utility filing fee	710	106	310	206	155	Design filing fee		107	480	207	240	Plant filing fee		108	760	208	380	Reissue filing fee		114	150	214	75	Provisional filing fee		<b>SUBTOTAL (1) (\$)</b>					<b>710.00</b>	Total Claims		Extra Claims		Fee from below		Fee Paid		18	-20** =		X					3	-3** =		X					Independent Claims								Multiple Dependent								Large Entity				Small Entity				Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20		102	78	202	39	Independent claims in excess of 3		104	260	204	130	Multiple dependent claim, if not paid		109	78	209	39	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2) (\$)</b>																																																						
Large Entity				Small Entity				Fee Description			Fee Paid																																																																																																																																																																																		
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
101	760	201	380	Utility filing fee	710																																																																																																																																																																																								
106	310	206	155	Design filing fee																																																																																																																																																																																									
107	480	207	240	Plant filing fee																																																																																																																																																																																									
108	760	208	380	Reissue filing fee																																																																																																																																																																																									
114	150	214	75	Provisional filing fee																																																																																																																																																																																									
<b>SUBTOTAL (1) (\$)</b>					<b>710.00</b>																																																																																																																																																																																								
Total Claims		Extra Claims		Fee from below		Fee Paid																																																																																																																																																																																							
18	-20** =		X																																																																																																																																																																																										
3	-3** =		X																																																																																																																																																																																										
Independent Claims																																																																																																																																																																																													
Multiple Dependent																																																																																																																																																																																													
Large Entity				Small Entity				Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
103	18	203	9	Claims in excess of 20																																																																																																																																																																																									
102	78	202	39	Independent claims in excess of 3																																																																																																																																																																																									
104	260	204	130	Multiple dependent claim, if not paid																																																																																																																																																																																									
109	78	209	39	** Reissue independent claims over original patent																																																																																																																																																																																									
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																									
<b>SUBTOTAL (2) (\$)</b>																																																																																																																																																																																													

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name	Gregory Turocy			Reg. Number	36,952
Signature				Deposit Account User ID	
	Date	June 27, 2001			

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231

**Docket No.:** F0654  
**Applicant:** Singh, et al.  
**Title:** DUAL LAYER PATTERNING SCHEME TO MAKE DUAL  
DAMASCENE

I hereby certify that the attached patent application (along with any other paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on this date 6/27/01, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL798608698US addressed to: Box Patent Applications, Assistant Commissioner for Patents, Washington, D.C. 20231.

Michelle N. Kellhofer

(Typed or Printed Name of Person Mailing Paper)

Michelle N. Kellhofer

(Signature of Person Mailing Paper)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor

Bhanwar SINGH

Title

Dual Layer Patterning Scheme to Make...

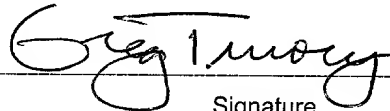
Atty Docket Number

F0654

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

6/27/01

Date



Signature

Gregory Turocy

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231